

What Is Claimed Is:

1. A method for converting a structured document comprising the steps of:
  - dividing a structured document, which is  
5 composed of tagged documents listed sequentially and ordered hierarchically, by tags; and
  - converting said structured document into tagged documents that added positional information indicating a position in said structured document to  
10 said divided documents.
2. The method for converting a structured document according to claim 1, wherein said converting step comprises a step of adding said positional  
15 information as attribute information in said tag.
3. The method for converting a structured document according to claim 1, wherein said converting step comprises a step of converting the document to a  
20 new structured document that added index and depth information for said documents by means of attribute values restricted by a namespace.
4. The method for converting a structured  
25 document according to claim 1, further comprising a step of transferring said tagged documents in a specified priority order.

5. The method for converting a structured document according to claim 1, wherein said dividing step comprises a step of extracting differential information relating to an original structured document and an updated structured document, and dividing the document by said tags.

6. A method for restoring tagged documents converted according to claim 1, comprising the steps of:

rearranging said tagged documents in accordance with said positional information of said converted tagged documents; and

deleting said positional information from said tagged documents.

7. A method for restoring tagged documents converted according to claim 2, comprising the steps of:

extracting said positional information from said converted tagged documents and rearranging said tagged documents in accordance with said positional information; and

deleting said positional information from said tagged documents.

8. A method for restoring a structured document

converted according to claim 3, comprising the steps  
of:

rearranging said tagged documents in the line  
direction of the document, in accordance with said  
5 indexes of said converted tagged documents; and  
ordering said tagged documents hierarchically,  
in accordance with said depth information of said  
tagged documents.

10 9. A method for converting and restoring a  
structured document, comprising the steps of:

dividing a structured document, which is  
composed of tagged documents listed sequentially and  
ordered hierarchically, by tags;

15 converting said structured document into said  
tagged documents that added positional information  
indicating a position in said structured document to  
said divided documents;

rearranging said tagged documents in  
20 accordance with said positional information of said  
converted tagged documents; and

restoring said structured document by  
deleting said positional information from said tagged  
documents.

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10. The method for converting and restoring a  
structured document according to claim 9, wherein said

converting step comprises a step of adding said positional information as attribute information in said tag.

5        11. The method for converting and restoring a structured document according to claim 9, wherein said converting step comprises a step of converting to a new structured document that added index and depth information for said documents by means of attribute  
10 values restricted by a namespace.

12. The method for converting and restoring a structured document according to claim 9, further comprising a step of transferring said tagged  
15 documents in a specified priority order.

13. The method for converting and restoring a structured document according to claim 9, wherein said dividing step comprises a step of extracting  
20 differential information relating to an original structured document and an updated structured document, and dividing the document by said tags; and said restoring step comprises a step of editing said tagged documents in accordance with the positional  
25 information of said converted tagged documents in said original structured document.

14. The method for converting and restoring a structured document according to claim 10, wherein said restoring step comprises the steps of:

extracting said positional information from  
5 said converted tagged documents and resorting said tagged documents in accordance with said positional information; and

deleting said positional information from said tagged document.

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15. The method for converting and restoring a structured document according to claim 11, comprising the steps of:

resorting said tagged documents in the line  
15 direction of the document, in accordance with said indexes of said converted tagged documents; and

ordering said tagged documents hierarchically, in accordance with said depth information of said tagged documents.

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16. A program for converting a structured document, comprising:

a program for dividing a structured document, which is composed of tagged documents listed  
25 sequentially and ordered hierarchically, by tags; and

a program for converting said structured document into said tagged documents by adding

positional information indicating a position in said structured document to said divided documents.

17. A program for restoring tagged documents  
5 converted according to claim 16, comprising:

a program for resorting said tagged documents in accordance with said positional information of said converted tagged documents; and

a program for deleting said positional  
10 information from said tagged documents.

18. A program for converting and restoring a structured document, comprising:

a program for dividing a structured document,  
15 which is composed of tagged documents listed sequentially and ordered hierarchically, by tags;

a program for converting said structured document into said tagged documents by adding positional information indicating a position in said  
20 structured document to said divided documents;

a program for resorting said tagged documents in accordance with said positional information of said converted tagged documents; and

a program for deleting said positional  
25 information from said tagged documents.